M. A. R. 57 (Rule 116)
Measurement Book

No. B 426816

2nd and final Bill

Work ..... From ..... To .....

Name of Contractor of nature of Agency ..... Munirathna. B.M. Contractor .....

Date of commencement of work ..... D.O. Recording : 24.03.2021 .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work : Improvements to Roads and drains at Vidyaranyapura Govt school back side Roads in Ward No. 06 Thanisandra						
	Estimate of cost Rs : 100.00 Lakhs						
	JOB no : 006-21-000015 - Indent No. 44680						
	Head of A/c : P.3075 special comprehensive development works in Bangalore City.						
	Work order no : BBMP/EE/BTP/WO/143/2020-21 Dt. 26.11.2020						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Date of commencement = 27-11.2020						
	Date of completion = 24.03.2021						
(1)	Earthwork Excavation by manual means for Roads, drains and similar works in ordinary soil Excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after backfilling clod. Complete as per specifications and directions of Engineer-in-Charge						
	City wide E. Bill No. (1) P. No.						
	= 784.24 m³ @ 217.96/m³						170932.95
(2)	providing and laying plain cement Concrete of M15 1:3:6						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426847

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	With ope cement @ 220 kgs with crushed granite metal down size graded 40mm and co-8 m³ and fine aggregate co-4 m³, in finish, mechanically mixed, placed in foundation and compacted by vibrator machine including curing for 14 days, including cost of all materials, labour, machine curing formwork, scaffolding and centering, complete as per specifications and directions of Engineer-in-charge.						
	City wide E. Bill No. (2) P.						
	= 419.29 m³ @ 5692.45/m³ By						2386287.36

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3) Providing, laying plain/reinforced cement concrete for slab, drawn using M-20 nominal mix Concrete with OPC at 300kg/m³ with 20mm nd down size granite metal Coarse aggregate @ 0.69m³ and fine aggregate @ 0.43m³ machine mixed well compacted for wall and ballam, including centering, shuttering, casting materials, Hamm of machine, curing off Complete, Excluding casting steel as per many specifications no-1500, MW 220V. including casts of materials, labours. Hamm Complete as per specification. qty vide R. Bill No. (3)						
	P.no = 257.03 m³ @ 7423/m³					18,63,395.69	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426813

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	4) Providing TMT bars fe.500 steel reinforcement for RCC works including, straightening, cutting, binding, hooking, placing in position, lapping and or welding, wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design, cost of materials labours, Hamm of machinery complete as per specifications and directions of Engineer-in-charge. qty vide R. Bill No. (3)						
	P.no = 15.48 Tonne @ 72292.7 m/m³					1057171.62	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5)	Providing and fixing pre-cast covering slab made out of C.C 1:2:4 with 10 cm thick and finishing, cutting, including form work, including costing all material, labour, hire charges of machinery, loading, unloading, lead and lift transportation etc complete as per specifications and directions of Engineer-in-charge.						
		qty vide E.Bill. Th no. (5)					1244745.44
		P.no - 507.31 m² @ 2453.62/m² Rs					
6)	Providing and fixing pre-cast covering slab 250mm thick made out of C.C 1:2:4 and gully 200mm and down size with						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426819

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	steel reinforcement including form work, curing including costing all materials, labour, hire charges of machinery, loading, unloading, lead and lift transportation etc complete as per specifications and directions of Engineer-in-charge.						
		qty vide E.Bill. Th no. (6) page					
		37.14 m² @ 5688.34/m² Rs					211265.19
7)	Excavation for Road work in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and side slopes in accordance with requirements of lines, grades, and cross sections, and transporting with lead of 1 meter and complete as per specifications and directions of Engineer-in-charge of work.						
		Qty-vide E.Bill-No. (7)					
		P.no 2	933.39 m^3 @			59.07/y^3 Rs	55135.35
8)	Compacting original ground by mechanical means including filling in depressions occuring, during rolling, including cost of all labour, tools complete as per specifications and directions of the Engineer-in-charge.						
	Qty-vide - E-Bill. No (8)					Rs	13885.66
	P.no - 2473.2 m^2 @						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

426850

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
9)	Construction of granular sub-base grading .iv. as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/ basalt material, mixing in a mechanical mix plant at one, Carriage of mixed materials to Worksite Spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power Rollers to achieve 98% proctor density, Completed as per specification.						

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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty vide C.C. Bill No (9) pg. no 2	317.13	m^3 @ 2094.47	/m^3	664652.45	
10)	Cement concrete pavement. Constructing un-reinforced plain cement concrete for pavement, using grade concrete M-30 over a prepared base with OPC Cement, aggregate @ 0.69 m^3, base aggregate @ 0.46 m^3, Coarse and fine aggregate conforming to IS- 383- 2016, with super plasticizer @ 3 l/bag conforming to IS 9103-2008, mixed in a concrete mixer of not less than 0.6 m^3 capacity, and appropriate weight batches as per approved mix design						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

426851

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Laid in approved layers inside forms, work and spreading the concrete with shovels, trowels, compacted using needle vibrated and plate vibrators and finished with floater in a continuous operation including provision of Contraction, Expansion, Construction and Longitudinal joints including grooving, cutting, charge, joint fillers, separation membrane of impervious plastic sheet of 125 microns, sealant pouring, joint sealants, admixtures supported, curing compound, finishing, to line and grades, textured with						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	texturing machine and curing including cost of all materials, labour, hire charges of machineries tools and tackle charges etc complete as per specification.						
						Qty vide E.Bill No-(10)	
		P.No 2	311.13	m³	@ 5470.55	Rs 1702489.12	
						Sub-Total Rs 93,57,132.00	
		Add 12% GST.				Rs 11,22,856.00	
						Grand Total Rs 1,04,79,988.00	

c/f Fc
25.3.21
24/3/2021

24/3/2021

M. A. R. 57 (Rule 116)
Measurement Book
No. B
426852

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
				26.50	86.000		
					M 1046		
				26.50	83.257		
					M 1052		
				25.40	93.207		
					M 1058		
				10.80			
				M 1517			

INDEX
C.C. Drain
C.C. Road

Govt school Vidyasagar

Sampapaly = Mar Roy

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

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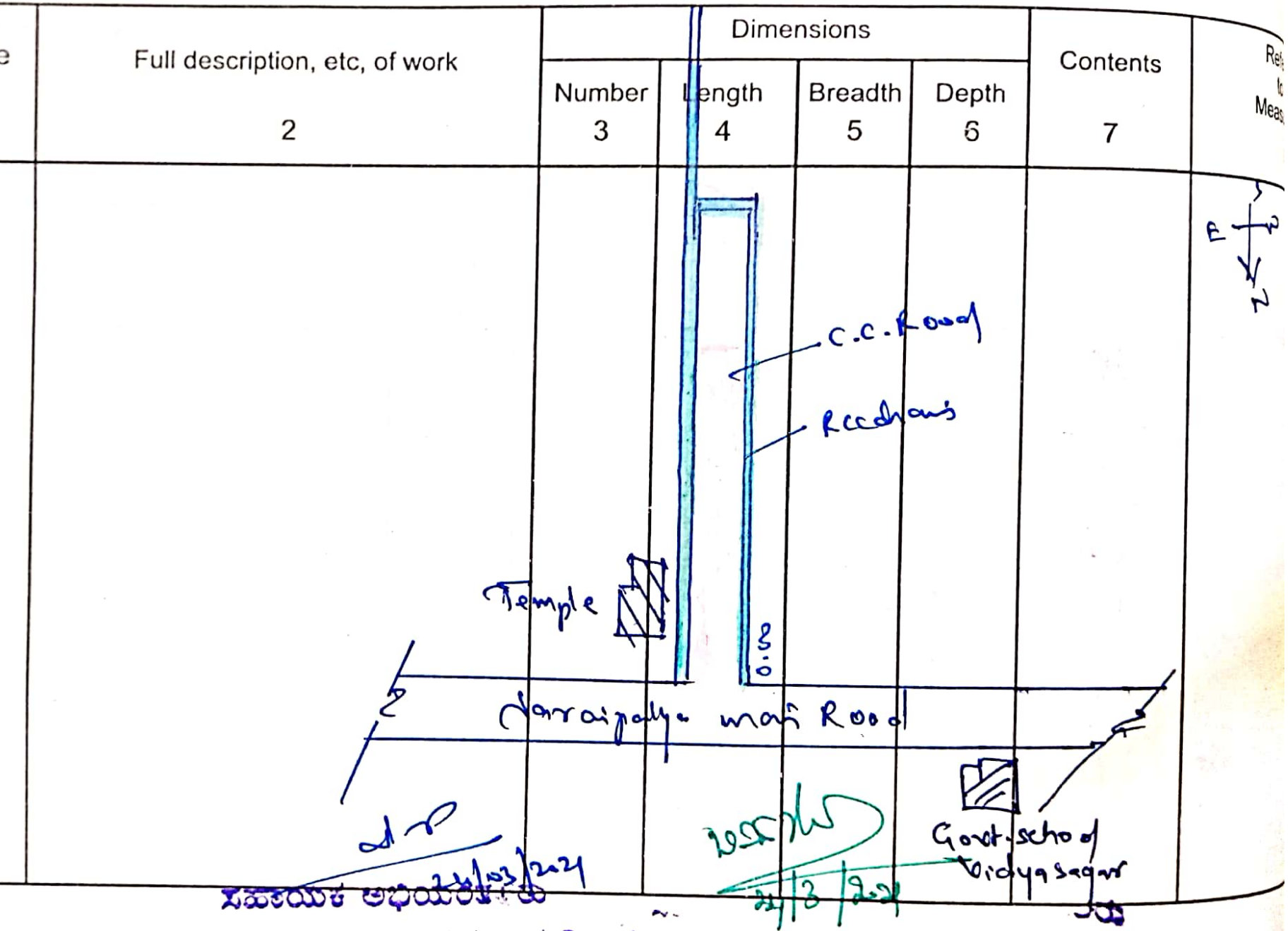
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Meas.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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